# Author Index Volume 56 (1991)


Aimar, P., 13
Ando, H., 303
Arnold, C., Jr. 143
Ashworth, A.J., 217
Assink, R.A., 143

Babcock, W.C., 127
Bartsch, R.A., 195
Brisdon, B.J., 217
Brose, D.J., 127
Brown, P.R., 195
Bryjak, M., 167

Chambers, A.R., 127
Chang, D.M., 279
Chen, C.-H., 327
Colton, C.K., 247

Dave, A.M., 113
Davis, S., 341
Desai, D.H., 195
Dung, M.H., 327

England, R., 217

Fang, W., 207
Friesen, D.T., 127
Furusaki, S., 289

García López, F., 181
Garti, N., 239
Graciaa, A., 1

Hallman, J.L., 195
Hiratani, K., 153
Hollandsworth, R.P., 143
Hsieh, K.H., 279

Jönsson, B., 49
Jönsson, A.-S., 49

Kafarski, P., 167
Kikuchi, E., 303, 315
Kim, M., 289
Koros, W.J., 77
Kovacs, A., 239
Kude, Y., 303
Kujawski, W., 99

Lachaise, J., 1
Lalande, M., 29
Lejczak, B., 167
Loh, I.-H., 119

Matsuda, T., 303, 315
Mehta, M.H., 113
Meireles, M., 13
Mengual, J.I., 181
Mohr, J.M., 77
Moody, R.A., 116
Morel, G., 1

Narębska, A., 99
Noble, R.D., 229

Okamoto, J., 289
Olson, W.C., 247
Ortiz-Zárate, J.M., 181

Paul, D.R., 77
Pinnau, I., 77
Pugia, M.J., 195

Ray, R., 121
Reddy, B.S.R., 217
René, F., 29

Saito, K., 289
Sanchez, V., 13
Sato, N., 303
Sugihara, H., 153
Sugo, T., 289

Taguchi, K., 153
Tsai, C.C., 279

Uemiya, S., 303, 315

Whaley, L.W., 195
Wieczorek, P., 167

Yang, G., 207
Yarmush, M.L., 247

Zafar, I., 217
Zhang, L., 207

## Subject Index Volume 56 (1991)

active transport, 327
affinity membrane, 207, 247, 289
alkali cation transport, 195

batteries, 143
biological membranes, 327
biotechnology, 289

cellulose acetate membrane, 1, 49
cellulose membranes, regenerated 207
ceramic membranes, 29
chromatography, 247
composite membrane, 77, 143, 303

diffusion, 167, 217, 229

electrophoresis, 247
elution, electrophoretic, 247
erythrocyte model, 341
extraction, 239

facilitated transport, 153, 167, 195, 229, 239, 341
facilitated transport, coupled, 127
fixed-site carrier membranes, 229
fluorination, 77
fouling, 13

gas and vapor permeation, 217, 279
gas separation, 77, 217, 279, 303, 315

hemoglobin containing membrane, 341

immunoadsorption, 247
inorganic membranes, 303
ion exchange membranes, 99, 143
ion transport, 229

liquid membrane, 127, 153, 167, 195, 239
liquid permeability and separation, 207, 239

magnesium ionophore, 153
membrane carriers, 167
membrane distillation, 181
membrane potentials, 327
membrane preparation and structure, 143, 207, 217, 289, 303, 315
membrane vesicles, 327
metal membranes, 303
microfiltration, 289
microporous and porous membranes, 13, 207, 289

N-methylpyrrolidone, 239
nafion membranes, 99

organic separations, 127, 167

palladium and its alloys, 315
polyethylene membrane, 289
polyorganosiloxane membranes, 217
polysulfone membranes, 13, 49, 77
poly(tetrafluoroethylene) membrane, 181
poly(vinylidene fluoride) membrane, 49, 181
pore size distribution, 13
porous membranes, 181

solubility and partitioning, 217
surfactant, 1, 49

theory, 29, 229, 341
thermodynamics, 99, 327

ultrafiltration, 1, 13, 29, 49

water sorption and diffusion, 207
water treatment, 1

zirconium oxide, 29